Warranty

The manufacturer warrants this Breathalyser to be free from defects in workmanship or material (excluding calibration) under normal use for one year from the date of purchase. Manufacturer's obligations under this limited warranty are limited to replacing, adjusting, or repairing the unit if returned along with the proof of purchase. This warranty is void if the unit has been tampered with, maliciously damaged, or physically abused. The enforceability of this warranty is limited to the original consumer purchaser and is not transferable to, or enforceable by, any subsequent owner. In the event of a defect, malfunction or other failure to conform to this warranty, UKBreathalysers, will, at its sole discretion, repair or replace the unit. You are responsible for all shipping cost in connection with warranty service. This warranty commences on the date of purchase and shall be effective for a period of one year and does not affect your statutory rights.

Should you need to return your unit or obtain service during the warranty period, please call **0870 321 4661** or email to: ***sevice@UKBreathalysers.com*** to obtain a RMA number and shipping instructions. Remember to return your detector postage paid, insured and in suitable packaging. DO NOT return your unit without contacting us first!

Disclaimer

UKBreathalysers makes no warranties, expressed or implied, as to the ability of this device to determine whether a person is intoxicated, and expressly disclaim any liability for incidental, special, or consequential damages of any nature.

The user undertakes not to make any decisions and/or carry out any actions based upon the reading of this device. *UKBreathalysers assume no responsibility for consequences of subjects who test negative when using this device and later show that they are under the influence of alcohol or their judgment has been impaired by alcohol.*

This device should only be used as a screening device and may only give an indication of the possible presence of alcohol in the blood of the test subject. Correlation between breath alcohol content and blood alcohol concentration depends on many variables, including temperature and health conditions. A safe or low reading on a breath alcohol screener does not mean that the driver's reaction times can respond to any emergency encountered. The exact concentration of alcohol in the blood of the test subject cannot be exactly determined by using a breath alcohol screening device. **THIS BREATHALYSER IS A SCREENING DEVICE ONLY, NOT ADMISSIBLE IN THE COURT OF LAW.**

DO NOT DRINK ALCOHOL AND DRIVE!
ALWAYS USE A DESIGNATED DRIVER AFTER DRINKING ALCOHOL.
BE SAFE AND DRINK RESPONSIBLY.

Customer Care

If you have questions about UKBreathalysers products or services, please contact us via phone, e-mail or mail. Our customer service agents will gladly assist you in any way they can. Please contact us via email at the following address: mail@UKBreathalysers.com

UKBreathalysers Limited
Fosters Yard, Forge Lane
Broadbridge Heath
West Sussex
RH12 3JA
United Kingdom

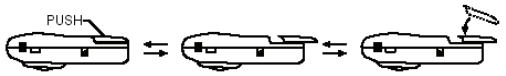
AlcoHawk Elite User Manual

Overview

The **AlcoHawk Elite** is a breath alcohol screening device designed to test for the presence of alcohol in the blood. This device is intended to be used in all populations with lung capacity capable of producing at least 1.5 litres of exhaled air. The **AlcoHawk Elite** is powered by 1x PP3 9v Battery that generally lasts between 200-300 tests.

Preparing For Use

Install the included Battery. Apply a small amount of pressure on the indentation of the battery compartment cover and then push down and away from the unit simultaneously in order to release the cover. Install the batteries and replace the battery compartment cover. (See the following diagram).



Mouthpieces

The tester comes with five replaceable plastic mouthpieces. To change the mouthpieces, push gently into the hole on the left hand side of the unit. Do not use excessive force!

Always leave at least 20 minutes between drinking and testing

If you do not wait 20 minutes before testing, the reading will measure the alcohol in your mouth, which is many times that related to your blood alcohol level. The detector contains a highly sensitive semi-conductor sensor, and not waiting the required time could damage (saturate) this sensor and can cause all future readings to be inaccurate. Please also ensure you do not blow any smoke or liquid into the unit, or the same damage can result and de-calibrate the detector.

If it has been more than 24 hours since the device was last used, prime the sensor by blowing into the mouthpiece for 4 to 5 seconds BEFORE turning on the device. Press the Power On/Off button. A single beep will sound and the unit will display the temperature in Fahrenheit (F). When the countdown is compete you hear a single beep and "Rdy" will appear on the display. (Note: The unit will restart the countdown at 10 if the sensor is not ready after the original countdown from 60). Take a deep breath and blow steadily for at least 5 seconds until another beep sounds to signal completion of testing. Try to achieve a consistent blow technique (see opposite). If no alcohol (or only trace levels below 0.01%) is detected the unit will show a single "0" within 1-2 seconds. Higher levels may require longer to analyse, and the results will be shown to 3 decimal places. Note: The device will not shut off until a test is performed OR until 15 seconds of non use elapses.
To retest, repeat the above.

Error Messages

- **FlowCheck**: if the unit does not sense that a sufficient sample has been provided, S h t will appear on the display to indicate a short sample. In this case, turn off the unit and try again.
- **Repeat:** If the unit does not detect a uniform blow pressure, reP can appear on the display. In this case, turn off the unit and try again.
- **Saturation:** if the letter "H" appears, an excessively high level of Alcohol has been detected, probably from alcohol in the mouth. DO NOT RETEST for at least 20 minutes.
- **Sensor Recycle:** If "Snr" appears, re-run the purge cycle by turning off and back on.
- **Polution:** If "POL" appears in the display, the sensor has been polluted, either with alcohol, smoke or other liquid. Turn off the unit, leave for at least 30 minutes and try again, however the sensor may have been damaged and repair or recalibration may be required.

How to Analyze the Results

- **The UK Drink-Drive limit is 0.08% BAC**, shown on the unit as **0 . 0 8 0**
- Do not Drink and Drive. The **AlcoHawk Elite** is sold for advisory purposes only and cannot be solely relied upon to determine the users' level of intoxication.
- If you consume very little alcohol, your actual concentration may be below 0.010% BAC and the reading may not be activated. However, the display will read 0.000.

Precautions

1. **Always wait at least 20 minutes after your last drink before testing**. This is because it can take up to 20 minutes for any residual alcohol in the mouth to dissipate and for alcohol to be fully absorbed in the blood.
2. Do not blow cigarette smoke, food or liquid into the instrument
3. The **AlcoHawk Elite** is designed for use in a temperature range of 10 – 40 (C) or 50-104 (F). Operation of the unit in extreme temperature ranges above or below this range may affect the accuracy of results.
4. Avoid testing in the presence of any substances that contain methyl alcohol, isopropyl alcohol or acetone. These substances may interfere with the results of the test.
5. Conditions that increase the amount of ketenes on the breath, such as diabetes and low caloric intake, may cause a false positive test.
6. **DO NOT DRINK AND DRIVE. Always have a designated driver if you are drinking Alcohol.**

AlcoHawk Elite User Manual

How does it work?

When you drink alcohol it passes through the lining of the stomach into the blood supply. As the blood moves around your body it is filtered by the liver (which extracts the alcohol over a period of time) but also passes through the lungs. At the same time as the oxygen in your breath passes through the alveoli into your blood, a certain amount of the alcohol that is carried by the blood passes back the other way. It is therefore important to measure deep lung air as this is where the blood has been in contact with the air in the lungs. A breath from any other part of the lungs will have a lower alcohol concentration and can give a lower reading than should be the case.

To achieve a consistent reading, a consistent sample of deep lung air is therefore required. Law-Enforcement devices measure an absolute quantity of air (usually 1.7ltr) each time they are used and employ a chemical fuel cell to measure alcohol concentration. This however makes such devices significantly more expensive to manufacture than personal detectors like this that use a "timed blow" & semi-conductor sensor, but with practice the user can achieve a reasonable level of accuracy by ensuring that as far as possible the same blow pressure is used each time a sample is taken.

How to get the most from your Breathalyser

When first using the device, 20 minutes after your last drink try testing yourself three times, approximately two minutes apart, in order to "bracket" the readings. An average reading can then be assessed, as can the consistency of the blow level required. Note the reading, and then test again 30 minutes later and so on until the unit reads zero.

Try the unit on others; you are likely to find considerable variance in the way in which individuals metabolise alcohol, depending upon body mass, when they last ate, time of day etc. After a while you will start to develop a reasonable idea of the way in which you personally react to Alcohol and you can then modify your drinking appropriately to ensure that you always leave a more than adequate period after drinking and before driving.

UKBreathalysers would always recommend you do not drive with ANY alcohol in your system, and that you leave a substantial safety margin between the time you believe you have reached a zero-level and the point where you may consider driving. **Never rely solely upon the readings of this detector in determining your fitness to drive!**

Disposable Mouthpieces

Your detector is equipped with removable / disposable mouthpiece. For all sanitary considerations replace and dispose the mouthpiece when testing others. To reorder please visit our online store or call our order desk.

Calibration Procedure

If your device is providing inconsistent, unusually high or low readings, or no readings at all, your device may need to be re-calibrated. In addition, the breathalyser should be re-calibrated at least once every 6-12 months. More frequent calibrations may be required depending on frequency of use.

For detailed information on how to have the device re-calibrated, please see our website.

Cleaning

Although it may seem logical to clean the alcohol detector with alcohol or other cleaning agents, in reality, this is very harmful to the semiconductor sensor in detector. All semiconductor sensors are intolerant to high doses (saturation) of alcohol, and other cleaning or anti bacterial agents. Simply wipe the unit over with a damp (not wet) cloth and dry thoroughly.